

MONOCLONAL ANTIBODY TO ROTAVIRUS



A common cause of severe diarrhea among children is Rotavirus. This stable virus may be transmitted through ingestion of contaminated water, food or by contact with contaminated surfaces.

Rotavirus genome is composed of eleven (11) segments of double-stranded RNA which code for six (6) structural and five (5) nonstructural proteins. VP6 is the rotavirus nucleocapsid protein, the major structural protein of inner capsid particles.

Now available from Meridian Life Science, Inc.

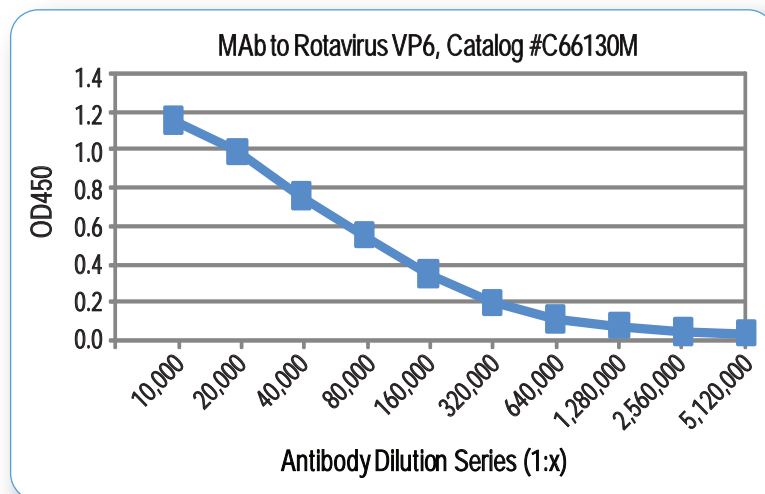
Monoclonal Antibody to Rotavirus group A specific antigen VP6

Catalog # C66130M

Clone # 3F7

Specificity:	Recognizes the Rotavirus group A specific antigen VP6. Reacts with strains EDIM, SA-11, Wa and bovine NCDV.
Immunogen:	Murine Rotavirus EDIM
Format:	Liquid, Purified
Purification:	Protein A chromatography. \geq 90% pure
Isotype:	IgG _{2a} , kappa
Buffer:	10mM Sodium phosphate, 150mM Sodium chloride, pH 7.4

Titration Curve of C66130M in indirect Elisa



Antigen: Rotavirus Strain SA-11, Catalog #7844, coated at 1 μ g/well.

Antibody: Dilution series of C66130, incubated 2 hrs at room temp. followed by Goat anti-mouse IgG:HRP conjugate and OPD substrate.

Quality and Commitment

- FDA registered facility
- QSR, Quality System Regulation Documentation
- Committed to total customer satisfaction

SPECIFICATION INFORMATION

Description:	MAB to Rotavirus, VP6
Specificity:	Rotavirus group A specific antigen VP6. Reacts with strains EDIM, SA-11, Wa, and bovine NCDV.
Clone:	3F7
Host Animal:	Mouse
Isotype:	IgG2a, kappa
Source:	Ascites
Immunogen:	Murine Rotavirus EDIM
Format:	Purified, Liquid
Purification:	>90% pure (SDS-PAGE). Protein A chromatography. Product is 0.2um filtered.
Concentration:	Lot specific (OD280nm, E ^{0.1%} = 1.4)
Buffer:	10mM Sodium phosphate, 150mM Sodium chloride, pH 7.4
Preservative:	0.1% Sodium Azide
Applications:	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Storage:	Upon receipt, store at -40°C. Avoid multiple freeze/thaw cycles.
Warning:	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1-1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

A SAMPLING OF MORE ROTAVIRUS PRODUCTS:

Catalog #	Description
7844	Rotavirus Antigen (Strain SA-11) >60% Viral Protein
C11222M	Monoclonal Antibody to Rotavirus NCDV (Nebraska Calf Diarrhea Virus), p43 (vp6)
B65110G	Goat anti-Rotavirus NCDV
B01235S	Sheep anti-Human Rotavirus (all serotypes)

For Research or Further Manufacturing Use Only.
Not for Use in Diagnostic Procedures.

ME-ROT 06/15/10

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ISO 9001:2008 Certified and EC1774/2002 Approved Facility.

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